

SEQUENCE LISTING

<110> CHODOSH, Lewis
GARDNER, H

<120> PREGNANCY UP-REGULATED, NONUBIQUITOUS CaM KINASE

<130> 22253-70422

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<150> 60/257,073

<151> 2000-12-21

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<170> PatentIn Ver. 2.1

<210> 1

<211> 1554

<212> DNA

<213> Murinae gen. sp.

<400> 1

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<211> 343

<212> PRT

<213> Murinae gen. sp.

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Gln Glu Arg Gly Ser Ala His Leu Val Ala Leu Lys Cys Ile Pro Lys
 35 40 45

Lys Ala Leu Arg Gly Lys Glu Ala Leu Val Glu Asn Glu Ile Ala Val
 50 55 60

Leu Arg Arg Ile Ser His Pro Asn Ile Val Ala Leu Glu Asp Val His
 65 70 75 80

Glu Ser Pro Ser His Leu Tyr Leu Ala Met Glu Leu Val Thr Gly Gly
 85 90 95

Glu Leu Phe Asp Arg Ile Met Glu Arg Gly Ser Tyr Thr Glu Lys Asp
 100 105 110

Ala Ser His Leu Val Gly Gln Val Leu Gly Ala Val Ser Tyr Leu His
 115 120 125

Ser Leu Gly Ile Val His Arg Asp Leu Lys Pro Glu Asn Leu Leu Tyr
 130 135 140

Ala Thr Pro Phe Glu Asp Ser Lys Ile Met Val Ser Asp Phe Gly Leu
 145 150 155 160

Ser Lys Ile Gln Ala Gly Asn Met Leu Gly Thr Ala Cys Gly Thr Pro
 165 170 175

Gly Tyr Val Ala Pro Glu Leu Leu Glu Gln Lys Pro Tyr Gly Lys Ala
 180 185 190

Val Asp Val Trp Ala Leu Gly Val Ile Ser Tyr Ile Leu Leu Cys Gly

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Leu Arg Ala Ser Tyr Glu Phe Asp Ser Pro Phe Trp Asp Asp Ile Ser		
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Glu Ser Ala Lys Asp Phe Ile Arg His Leu Leu Glu Arg Asp Pro Gln		
245	250	255
Lys Arg Phe Thr Cys Gln Gln Ala Leu Gln His Leu Trp Ile Ser Gly		
260	265	270
Asp Ala Ala Phe Asp Arg Asp Ile Leu Gly Ser Val Ser Glu Gln Ile		
275	280	285
Gln Lys Asn Phe Ala Arg Thr His Trp Lys Arg Ala Phe Asn Ala Thr		
290	295	300
Ser Phe Leu Arg His Ile Arg Lys Leu Gly Gln Ser Pro Glu Gly Glu		
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Glu Ala Ser Arg Gln Cys Met Thr Arg His Ser His Pro Gly Leu Gly		
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Thr Ser Gln Ser Pro Lys Trp		
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 <212> DNA
 <213> Artificial Sequence

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 oligonucleotide primer PTKIa

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<210> 4
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<210> 5
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:degenerate
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<210> 6
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<220>
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<210> 7
 <211> 1412
 <212> DNA
 <213> Homo sapiens

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<210> 8

<211> 343

<212> PRT

<213> Homo sapiens

<400> 8

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Met Leu Leu Leu Lys Lys His Thr Glu Asp Ile Ser Ser Val Tyr Glu
  1                      5                      10                      15

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Ile Arg Glu Arg Leu Gly Ser Gly Ala Phe Ser Glu Val Val Leu Ala
          20                      25                      30

```

```

Gln Glu Arg Gly Ser Ala His Leu Val Ala Leu Lys Cys Ile Pro Lys
          35                      40                      45

```

```

Lys Ala Leu Arg Gly Lys Glu Ala Leu Val Glu Asn Glu Ile Ala Val
          50                      55                      60

```

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Leu Arg Arg Ile Ser His Pro Asn Ile Val Ala Leu Glu Asp Val His
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Glu Ser Pro Ser His Leu Tyr Leu Ala Met Glu Leu Val Thr Gly Gly
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Glu Leu Phe Asp Arg Ile Met Glu Arg Gly Ser Tyr Thr Glu Lys Asp
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Ala Ser His Leu Val Gly Gln Val Leu Gly Ala Val Ser Tyr Leu His
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Ser Leu Gly Ile Val His Arg Asp Leu Lys Pro Glu Asn Leu Leu Tyr
 130 135 140

Ala Thr Pro Phe Glu Asp Ser Lys Ile Met Val Ser Asp Phe Gly Leu
 145 150 155 160

Ser Lys Ile Gln Ala Gly Asn Met Leu Gly Thr Ala Cys Gly Thr Pro
 165 170 175

Gly Tyr Val Ala Pro Glu Leu Leu Glu Gln Lys Pro Tyr Gly Lys Ala
 180 185 190

Val Asp Val Trp Ala Leu Gly Val Ile Ser Tyr Ile Leu Leu Cys Gly
 195 200 205

Tyr Pro Pro Phe Tyr Asp Glu Ser Asp Pro Glu Leu Phe Ser Gln Ile
 210 215 220

Leu Arg Ala Ser Tyr Glu Phe Asp Ser Pro Phe Trp Asp Asp Ile Ser
 225 230 235 240

Glu Ser Ala Lys Asp Phe Ile Arg His Leu Leu Glu Arg Asp Pro Gln
 245 250 255

Lys Arg Phe Thr Cys Gln Gln Ala Leu Arg His Leu Trp Ile Ser Gly
 260 265 270

Asp Thr Ala Phe Asp Arg Asp Ile Leu Gly Ser Val Ser Glu Gln Ile
 275 280 285

Arg Lys Asn Phe Ala Arg Thr His Trp Lys Arg Ala Phe Asn Ala Thr
 290 295 300

Ser Phe Leu Arg His Ile Arg Lys Leu Gly Gln Ile Pro Glu Gly Glu
 305 310 315 320

Gly Ala Ser Glu Gln Gly Met Ala Arg His Ser His Ser Gly Leu Arg
 325 330 335

Ala Gly Gln Pro Pro Lys Trp
 340